



AUSTRALIAN BUREAU OF STATISTICS

WESTERN AUSTRALIAN OFFICE

Catalogue No. 6301.5

30 January 1985

INDUSTRIAL ACCIDENTS

WESTERN AUSTRALIA

1982-83

There are many difficulties in interpreting the figures released by the insurance companies. Acceptable figures are lost and past figures are not published and future figures are not available. The figures released by setting actual figures and estimated data for 1982-83 comprising information on non-insured claims as these are not available on request for

and the inclusion of non-employed persons is taken into account, although in industries where self-employment is significant (agriculture, forestry, small industries), because of the exclusion of agricultural labourers (except those employed by the government or self-employed), the number of non-employed persons is not assessed (e.g., defence forces, and other service bodies) to form the basis for calculating rates of industrial accidents.

The number of non-employed persons is taken into account, although in industries where self-employment is significant (agriculture, forestry, small industries). Because of the exclusion of agricultural labourers (except those employed by the government or self-employed), the number of non-employed persons is not assessed (e.g., defence forces, and other service bodies) to form the basis for calculating rates of industrial accidents.

5. Definitions
5.1. Industrial accident: An industrial accident is any work injury or disease compensable under the provisions of the State Workers' Compensation and Assistance Act 1981-1982 which causes the death of the employee or absence from work for one day (or shift) or more. The term also includes compensable accidents which occur when travelling between place of residence and workplace (journey cases) and those which occur outside work hours (leisure cases).

W.M.BARTLETT
Deputy Commonwealth Statistician
and Government Statistician

PHONE INQUIRIES For more information about these statistics contact Mr Bill Payne on Perth (09) 323 5362.

Other inquiries including copies of publications contact Information Services on Perth (09) 323 5140
MAIL INQUIRIES Write to Information Services, Australian Bureau of Statistics, Merlin Centre, 30 Terrace Road, Perth W.A. 6000.

The statistics contained in this publication relate to accidents resulting in absence from work of one day or more.

CONTENTS

Table	Page
Explanatory notes	1
1 Total accidents: Industry division, time lost and cost of claims	2
2 Total accidents: Industry division, agency of accident	3
3 Total accidents: Industry division, type of accident	4
4 Total accidents: Site of injury, type of accident	5
5 Total accidents: Agency of accident, time lost	10-11
6 Non-fatal accidents: Age group, type of accident	12
7 Non-fatal accidents: Occupation group, type of accident	13
8 Non-fatal accidents: Nature of injury, agency of accident	14
9 Total Journey and Recess accidents: Age group, type of accident, time lost, cost	15

EXPLANATORY NOTES

introduction

The statistics published in this bulletin relate to all industrial accidents involving time lost from work of one day or more, OCCURRING during the year ended 30 June 1983. The statistics are comparable with those published in the 1981-82 bulletin but not with those published in earlier bulletins because statistics before 1981-82 relate only to claims for workers' compensation reported to have been CLOSED during the respective years.

2. Special Note - Estimated Claims

2.1 In 1981-82 industrial accident statistics were first collected on the basis of 'year of occurrence'. This change from the previous basis of 'year of closure' involved the acceptance of estimated time lost and cost data for claims not closed prior to the cut-off date nominated for the year. For the 1981-82 publication almost 20 per cent of claims included were not closed, and details of time lost and cost for all claims were not released because of the high content of estimated data. Approximately one year after the cut-off date for the 1981-82 publication, estimated returns were referred back to insurers and actual data were obtained for estimated claims which had been subsequently finalised in the lapsed period of one year. At the completion of this procedure it was found that only 7 per cent of claims remained unclosed. The 1981-82 data were accordingly updated to incorporate the revised figures and estimates for those claims still outstanding, and revised tabulations were produced. Comparison between the original and amended tabulations indicates that, although caution is necessary in interpreting the data, the estimates supplied by the insurers provide, for statistical purposes, acceptable approximations of actual time lost and cost. Statistics in this 1982-83 publication and future publications will therefore include details of time lost and cost which are derived by adding actual data for closed claims and estimated data for unclosed claims. Tables comprising information relating to both closed and unclosed claims as shown in this bulletin are now available on request for 1981-82.

3. Scope

3.1 Workers covered by the Western Australian Workers' Compensation and Assistance Act 1981-1983 are included in the statistics. Industrial accidents resulting in the death of, or injury to, self-employed persons and persons employed by the Commonwealth Government are not included.

3.2 The exclusion of self-employed persons is likely to have considerable effect in industries where self-employment is significant (eg. retail trade, rural industries). Because of the exclusion of Commonwealth Government employees some industries are not covered (eg, defence forces and communication).

4. Coverage

4.1 Reports relating to accident claims are forwarded to the Australian Bureau of Statistics by the Workers' Assistance Commission which obtains the information from insurers and self-insurers under authority of the Workers' Compensation and Assistance Act 1981-1983. The accuracy of collection coverage (ie whether reports of all accidents involving time lost from work of one day or more are actually submitted to the Workers' Assistance Commission) is very difficult to control because of the diverse administrative systems maintained by the insurers. The data should be used with the knowledge that coverage between years may not be consistent and this may affect the validity of statistical trends which become apparent.

5 Definitions

5.1 Industrial Accident. An industrial accident is any work injury or disease compensable under the provisions of the State Workers' Compensation and Assistance Act 1981-1983 which causes the death of the employee or absence from work for one day (or shift) or more. The term also includes compensable accidents which occur when travelling between place of residence and workplace (journey cases) and those which occur during work breaks (recess cases).

5.2 Industrial Disease. An industrial 'disease' is distinguishable from an 'accident' because of one or more of the following characteristics:

- the slow and protracted nature of its cause;
- its ascribability to repeated or continuous action of a mechanical, physical or chemical nature. It is not the effect of a single event but of a cause acting imperceptibly and constantly;
- the uncertain time of its beginning.

5.3 Special Note - Journey and Recess Accidents, Industrial Diseases

5.3.1 Journey and Recess accidents are excluded from Tables 1 through 8.

5.3.2 Details of industrial diseases have not been included in tables in this bulletin. Problems in obtaining complete coverage; reporting inconsistencies in the treatment of repetitive strain injuries; and, the classification of infectious and contagious diseases such as hepatitis which are contracted at the workplace but do not come within the International Labour Office definition of 'disease', have rendered the data unreliable.

5.4 Reopened Claim. An industrial accident previously treated as closed but for which the insurer accepts that further incapacity, additional medical treatment or time lost from work are directly attributable to the original accident. Claims closed and reopened in the current year are counted only once in the tables but the total cost and time lost incurred during the year are included. Details of reopened claims relating to earlier years are not included in the tables.

5.5 Estimated Claim. A claim which has not been closed prior to the cutoff date for publication of these statistics. In these cases insurers submit a report in which details of total time lost and cost are estimated. (See also 'Special Note - Estimated Claims' in paragraph 2.1 above).

5.6 Cost of Claim. Includes compensation for wages and salaries lost, for hospital and medical expenses, lump sum payments and payments made under common law.

5.7 Time Lost from Work. For closed claims it is the actual time lost from work; for unclosed claims it is an estimate of the total time likely to be lost. Claims relating to fatal accidents and accidents where the outcome is permanent total disability do not have time lost included in the statistics. Other claims are restricted to a maximum time lost of one year for statistical purposes. This constraint applies because the statistics are now compiled in discrete yearly groups.

5.8 Fatal Accidents or Disease. Cases where death results from a compensable accident or disease. Includes cases where an employee has subsequently died as a result of injuries received at work, as well as cases where an employee is killed at work.

5.9 Permanent Disability. Is an injury or disease which does not cause death but results in the complete loss or loss of use of any member or any part of any member of the body, or any permanent impairment of functions of the body or part thereof.

5.10 Temporary Disability. Is an injury or disease which does not result in death or a permanent disability.

6 Classification

6.1 Industry Classification. The workplace of the employee is classified in accordance with the 1978 edition of the Australian Standard Industrial Classification (ASIC).

6.2 Type of Accident. The classification is based on recommendations made by the International Labour Office.

6.2.1 The 'Type of accident' is defined by the International Labour Office as (i) the manner of contact of the injured person with the object or substance or (ii) the exposure or movement of the injured person which resulted in the injury.

6.3 Agency of Accident. The classification is based on recommendations made by the International Labour Office.

6.3.1 The 'Agency of accident' is the object, substance or circumstance most closely associated with the injury and which, in general, could have been guarded against or corrected. A distinction should be made between the agency of injury and agency of accident, eg., a fire damp explosion may result in a miner being crushed by a falling beam. In this instance the agency of injury is the beam but the agency of accident is the material responsible for the explosion.

6.4 Nature of Injury and Disease. The classification is based on appropriate chapters of the Ninth Revision (1975) of the World Health Organisation's 'International Statistical Classification of Diseases, Injuries and Causes of Death' adjusted, where necessary, to ensure classification to the principal original injury.

6.5 Site of injury. The classification is broadly comparable to that recommended by the International Labour Office.

6.6 Occupation Classification. Details of occupation have been classified in accordance with the 1976 Population Census Classification of Occupations.

7 Unpublished Information

7.1 More detailed statistics relating to accidents by industry, occupation group, type of accident, agency of accident, sex, etc, are available on request. In this connection the attention of users of these statistics is drawn to statistical tables listed below which are available on request.

7.2 Industrial Accidents

Site of injury by type of accident by sex.

Site of injury by agency of accident by sex.

Nature of injury by agency of accident by sex.

Nature of injury by type of accident by sex.

Age group by agency of accident by sex.

Age group by type of accident by sex.

Occupation group by agency of accident by sex.

Occupation group by type of accident by sex.

Occupation group by nature of injury by sex.

8 Current publications produced by the ABS are listed in the Catalogue of Publications, Australia (1101.0), which is available free of charge from any ABS Office. Further information about Western Australian publications may be obtained from List of Publications (1101.5), which is available free of charge from this Office.

Symbols and Other Usages

- nil or rounded to zero

n.e.c. not elsewhere classified

9 Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

No.1 - TOTAL ACCIDENTS: INDUSTRY DIVISION, TIME LOST AND COST OF CLAIMS, 1982-83

Industry division or sub-division	Accidents		Time lost (weeks)		Total cost of claims \$'000	Average cost per claim (\$)
	Number	Percent of total	Total	Average per accident		
Agriculture, forestry, fishing and hunting	1,415	4.5	6,029.2	4.3	3,878	2,740.6
Mining	3,311	10.6	13,148.0	4.0	11,027	3,330.3
Total	4,726	15.1	19,177.2	4.1	14,904	3,153.6
Manufacturing -						
Food, beverages and tobacco	2,059	6.6	5,653.6	2.7	3,412	1,657.3
Wood, wood products and furniture	763	2.4	2,627.0	3.4	1,718	2,251.8
Glass, clay and other non-metallic mineral products	733	2.3	2,593.8	3.5	1,693	2,310.0
Basic metal products	537	1.7	1,609.2	3.0	1,172	2,181.9
Fabricated metal products	2,186	7.0	6,596.0	3.0	4,477	2,048.0
Other manufacturing	2,909	9.3	8,901.6	3.1	5,600	1,925.1
Total	9,187	29.3	27,981.2	3.0	18,073	1,967.2
Electricity, gas and water	801	2.6	3,662.6	4.6	3,236	4,039.9
Construction	3,579	11.4	14,445.8	4.0	10,165	2,840.2
Wholesale and retail trade	4,149	13.2	11,911.6	2.9	6,628	1,597.4
Transport and storage	2,058	6.6	8,067.8	3.9	5,520	2,682.2
Finance, property and business services	626	2.0	2,432.8	3.9	1,411	2,253.6
Public administration and defence	1,391	4.4	6,211.8	4.5	4,673	3,359.6
Community services	3,679	11.7	17,050.2	4.6	12,269	3,334.8
Recreation, personal and other services	1,178	3.8	4,772.0	4.1	2,505	2,126.5
Other industries	3	-	8.2	2.7	3	1,107.7
Total	17,464	55.7	68,562.8	3.9	46,410	2,657.5
GRAND TOTAL	31,377	100.0	115,721.2	3.7	79,387	2,530.1

No. 2 - TOTAL ACCIDENTS: INDUSTRY DIVISION AND AGENCY OF ACCIDENT, 1982-83

Industry division or sub-division	Agency of accident						Agency not identified	Total
	Lifting equipment and means of transport	Machinery	Transport equipment	Other substances	Working environment	Other agency		
Number of accidents								
Agriculture, forestry, fishing and hunting	227	211	193	297	158	311	18	1,415
Mining	422	236	579	1,276	571	93	134	3,311
Total	649	447	772	1,573	729	404	152	4,726
Manufacturing -								
Food, beverages and tobacco	126	121	592	576	219	393	32	2,059
Wood, wood products and furniture	126	36	230	308	43	8	12	763
Glass, clay and other non-metallic mineral products	57	65	130	395	68	8	10	733
Basic metal products	43	38	149	242	48	4	13	537
Fabricated metal products	247	126	672	894	173	46	28	2,186
Other manufacturing	334	204	779	1,218	210	121	43	2,909
Total	933	590	2,552	3,633	761	580	138	9,187
Electricity, gas and water	44	51	215	273	107	84	27	801
Construction	238	293	1,027	1,482	365	129	45	3,579
Wholesale and retail trade	235	489	1,028	1,734	415	151	97	4,149
Transport and storage	52	505	289	817	240	119	36	2,058
Finance, property and business services	29	73	180	194	108	24	18	626
Public administration and defence	113	171	213	562	222	104	6	1,391
Community services	91	213	793	789	679	819	295	3,679
Recreation, personal and other services	52	65	226	402	263	148	22	1,178
Other industries	1	-	1	1	-	-	-	3
Total	855	1,860	3,972	6,254	2,399	1,578	546	17,464
GRAND TOTAL	2,437	2,897	7,296	11,460	3,889	2,562	836	31,377
Per cent of total	7.8	9.2	23.3	36.5	12.4	8.2	2.7	100.0

No. 3 - TOTAL ACCIDENTS: INDUSTRY DIVISION AND TYPE OF ACCIDENT, 1982-83

Industry division or sub-division	Type of accident								Exposure to or contact with harmful substances or radiation	Other	Total
	Fall of a person	Falling object of a person	Stepping on, striking against, or struck by an object	Caught in or between objects	Over physical stress	Exposure to extreme movement	Exposure to extreme temperature				
Agriculture, forestry, fishing and hunting	259	82	519	92	307	25	42	89	1,415		
Mining	628	389	853	284	835	45	115	162	3,311		
Total	887	471	1,372	376	1,142	70	157	251	4,726		
Number of accidents											
Manufacturing -											
Food, beverages and tobacco	299	87	786	133	563	{	82	75	{ 44	2,059	8
Wood, wood products and furniture	79	87	285	70	224						
Glass, clay and other non-metallic mineral products	128	106	179	53	217	13	23	14	733		
Basic metal products	87	72	145	26	154	11	34	8	537		
Fabricated metal products	281	221	780	148	446	53	160	97	2,186		
Other manufacturing	324	268	948	204	808	54	200	103	2,909		
Total	1,198	841	3,123	634	2,412	213	492	274	9,187		
Electricity, gas and water	130	70	161	69	266	8	25	72	801		
Construction	627	380	1,095	189	947	59	135	147	3,579		
Wholesale and retail trade	678	412	1,224	188	1,289	115	113	130	4,149		
Transport and storage	485	175	494	134	605	10	34	121	2,058		
Finance, property and business services	156	48	146	27	176	11	21	41	626		
Public administration and defence	271	125	330	51	476	15	23	100	1,391		
Community services	865	130	696	103	1,510	95	90	190	3,679		
Recreation, personal and other services	339	50	310	32	311	66	38	32	1,178		
Other industries	-	-	1	-	1	-	1	-	3		
Total	3,551	1,390	4,457	793	5,581	379	480	833	17,464		
GRAND TOTAL	5,636	2,702	8,952	1,803	9,135	662	1,129	1,358	31,377		
Per cent of total	18.0	8.6	28.5	5.7	29.1	2.1	3.6	4.3	100.0		

No. 4 - TOTAL ACCIDENTS: SITE OF INJURY AND TYPE OF ACCIDENT, 1982-83

Site of injury	Type of accident			Exposure to or contact with harmful substance or radiation			Number of accidents		Other	Total
	Stepping on, striking object	Falling against, struck by an object	Caught between objects	Over exertion	Exposure or to extreme physical stress	contact with movement				
Head	174	778	2,266	11	4	73	689	259	4,251	
Neck	127	52	153		490	5		178	1,008	
Trunk	1,491	134	431	37	6,356	29		177	8,675	
Upper limbs	1,172	784	4,320	1,535	1,595	312	232	378	10,328	
Lower limbs	2,514	931	1,733	218	586	205	54	207	6,448	
Multiple locations	148		36		31	28	13	65	344	
General locations		10	23	2	73	5	116	52	177	
Other					5	5	5	42	146	
Total accidents	5,636	2,702	8,952	1,803	9,135	662	1,129	1,358	31,377	
Average time lost (weeks)	5.1	2.7	2.4	3.9	4.6	1.8	1.4	4.9	3.7	

Type of vehicle	Number of accidents	Average time lost (weeks)	Number of deaths	Average time lost (weeks)
Wheeled caravans	1	1.6	0	0
Tractor	1	1.6	0	0
Lorry or truck	1	1.6	0	0
Car or station wagon	2	1.6	0	0
Motor cycle or scooter	1	1.6	0	0
Trailer and caravan	1	1.6	0	0
Other	1	1.6	0	0

No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1982-83

Agency of accident	Type of accident	Accidents involving			
		Males		Females	
		Number	Time lost (weeks)	Number	Time lost (weeks)
MACHINERY					
Motor or other source of mechanical power					
Internal combustion engine	Falling object	77	216.0		
Other - including steam engine	Fall of person or sub	13	134.0		
Transmission machinery	Person struck by machine	-	-		
Transmission shaft	Person struck by object	33	255.2		
Transmission belt, cable, rope, pulley, etc	Person struck by object	15	76.8		
Other					
Metal working machinery					
Power press	Falling object	54	225.2	5	99.0
Turning, boring, drilling, reaming, milling machine	Falling object	100	246.8	-	-
Abrasive, grinding machine	Falling object	315	360.6		
Mechanical shear, slicer or guillotine	Falling object	48	177.6		
Forging machine	Falling object	6	60.4		
Rolling mill	Falling object	14	25.2		
Other - including power hacksaw	Falling object	71	334.8		
Woodworking machinery					
Circular saw	Falling object	52	254.2		
Other saw	Falling object	50	196.2		
Moulding machine	Falling object	12	92.6		
Planing machine	Falling object	20	69.4		
Log peeling machine	Falling object	36	225.6		
Other					
Agriculture machinery					
Harvester (all types)	Falling object	17	113.6	-	-
Plough, harrow, cultivator, other tilling machine	Falling object	4	6.2		
Milk production and processing plant					
Stock shearing plant	Falling object	129	293.0		
Equipment primarily for agricultural purposes	Falling object	33	165.0		
Grass cutting machine	Falling object	34	100.2		
Other	Falling object	29	173.8		
Mining and quarrying machinery					
Mechanical mining and quarrying equipment	Falling object	49	282.2		
Roof bolting machine					
Oil, gas, water drilling equipment	Falling object	73	501.8		
Rotary and/or percussive rock drill	Falling object	5	22.8		
Ore/stone crushing, pulverising, screening, dressing machine	Falling object	14	167.6		
Other	Falling object	104	415.4	2	0.4

No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1982-83 (continued)

Agency of accident	Accidents involving			
	Males		Females	
	Number	Time lost (weeks)	Number	Time lost (weeks)
MACHINERY - continued				
Earthmoving etc, and road making machinery				
Concrete mixer	33	256.8		
Front end loader, back hoe, and like machine	175	1,023.8		
Grading, scraping, excavating and like machine	44	293.8		
Other roadmaking machinery	36	209.8		
Other earthworking machine	37	185.0		
} 6 31.6				
Machinery for manufacture or processing foodstuffs and beverages				
Cutting, slicing, mincing, mixing machine	100	358.8	51	95.6
Packing, bottling, wrapping machine	18	105.2	9	22.0
Baking and food processing oven	17	51.0	16	67.6
Other	17	50.6	14	29.0
Other machinery n.e.c.				
Textile, clothing, footwear making machine	17	33.2		
Paper and paper board manufacturing machine	4	12.8		
Printing machine	42	164.2	16	49.6
Compressor, pump and windmill	57	312.8		
Machine unspecified	55	176.2		
Other machinery	183	602.0	39	125.2
Total	2,242	9,028.2	195	576.2
LIFTING EQUIPMENT AND MEANS OF TRANSPORTATION				
Lifting equipment				
Crane	149	731.0	-	-
Lift, elevator, escalator	73	497.2		
Hoist or winch (power operated)	40	270.6		
Hoist, winch, pulley, chain block, etc (hand operated)	96	582.6		
Forklift, pallet truck and the like	183	813.2		
Lifting jack	55	139.2		
Other	22	158.8		
} 11 61.6				
Rail transportation				
Railway and tramway in mine workings, construction sites and the like	34	265.6		
Other railway and tramway	90	450.4		
Wheeled transportation other than rail				
Tractor	97	436.8	5	13.4
Lorry or truck	626	3,264.4	6	62.6
Omnibus	108	675.8	7	58.0
Car or station wagon	452	2,728.8	92	552.4
Motor cycle or scooter	127	654.6	5	34.4
Trailer and caravan	85	260.6	7	18.4
Other	305	1,048.4	125	564.0

No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1982-83 (continued)

Agency of accident	Accidents involving			
	Males	Time lost Number	Females	Time lost Number
	(weeks)			(weeks)
LIFTING EQUIPMENT AND MEANS OF TRANSPORTATION - continued				
Air transportation				
Aircraft used in firefighting, cropdusting, etc	7	32.0		
Other aircraft	15	81.8		
Water transportation and marine installation				
Motorised craft	31	309.2		
Non motorised craft and marine installation	18	43.4		
Other means of transportation n.e.c.				
Cable car, ski-tow	-	-		
Other	6	65.4		
Total	2,619	13,509.8	278	1,552.2
OTHER EQUIPMENT e.g., drilling, reaming, milling machine				
Pressure vessel				
Boiler	5	9.2		
Pressurised container	4	3.8		
Pressurised piping and accessories	84	267.4		
Gas cylinder	93	309.2		
Caisson			7	7.4
Other	26	64.8		
Furnace, oven or kiln				
Furnace	10	11.2		
Kiln	9	77.8		
Oven	6	22.0		
Refrigerating plant and equipment				
Refrigerating plant and equipment	43	101.4	9	20.2
Electrical installation (excluding hand tools)				
Rotating machine	28	53.4		
Transmission and distribution line	19	90.0		
Transformer	12	22.0		
Control apparatus	35	70.8		
Other	57	135.2		
Electric hand tool or appliance				
Abrasive planing or cutting tool	571	925.6	9	13.6
Drill	229	434.6	3	19.4
Soldering iron	14	9.2		
Arc welder	577	661.4		
Cooking appliance	20	21.8	19	34.4
Other	42	322.8	32	219.0

No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1982-83 (continued)

Agency of accident	Accidents involving			
	Males		Females	
	Number	Time lost (weeks)	Number	Time lost (weeks)
OTHER EQUIPMENT - continued				
Powered hand tool, other than electric				
Pneumatic tool	81	381.6		
Oxyacetylene torch, blowtorch and the like	151	164.2		
Gun	19	22.8		
Chain saw	40	101.0		
Other	37	71.6		
Handtool, implement and appliance, not powered				
Knife	880	1,405.2		
Chisel, awl, screwdriver and the like	98	233.6		
Axe, adz, pickaxe, hatchet, cleaver, slasher and the like	47	102.4		
Shovel, spade, hoe, fork, rake, lawn edger and the like	175	680.6		
Hammer, mallet and the like	472	1,037.2		
Wrench, spanner and the like	200	602.0		
Bale and hook implement	44	81.8		
Broom, mop and similar implement	26	119.2		
Other	270	811.0		
Other equipment				
Scientific and laboratory equipment	16	102.6		
Electrical equipment n.e.c.	109	491.0		
Furniture and fittings	680	2,564.2		
Ladder, mobile ramp, stairway, steps and the like	632	3,294.6		
Scaffolding (fixed, suspended, mobile)	314	1,854.8		
Other, n.e.c.	217	772.6		
Total	6,392	18,507.6		
			904	3,664.4
CHEMICALS AND OTHER MATERIALS AND SUBSTANCES				
Basic chemicals				
Industrial gases	53	107.2		
Arsenic and arsenic compounds	3	9.6		
Chlorine	5	5.8		
Lead compounds				
Mercury compounds	6	17.8		
Plastic materials, synthetic resin, synthetic rubber and industrial solvent	17	16.2		
Radioactive and associated material				
Acid	64	118.4		
Other basic chemicals	85	129.6		
			19	75.8

No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST,

No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1982-83 (continued)

Agency of accident	Accidents involving			
	Males Number	Time lost (weeks)	Females Number	Time lost (weeks)
CHEMICALS AND OTHER MATERIALS AND SUBSTANCES - continued				
Other chemical products				
Insecticide, fungicide, weedkiller and the like	9	10.6	5	4.2
Paint, varnish and related material	68	103.2	5	3.8
Asphalt, tar, bitumen and pitch	10	78.6	-	-
Explosive material (made for the purpose)	7	56.2	-	-
Smoke, fire and flame	32	106.0	{ 49	125.0
Other chemical product n.e.c.	203	325.6		
Non-metallic minerals, materials or manufactures				
Abrasives powder, grain, grit	121	79.4	-	-
Brick, slab, tile, paving block, pipe	622	2,909.4	{ 12	16.4
Cement and lime	63	80.6		
Glass and glassware	245	517.8	66	122.6
Dust	523	443.4	4	1.4
Other non-metallic minerals or manufactures	120	420.6	14	85.6
Other material, substance or object n.e.c.				
Oil and fat, animal and vegetable	87	248.2	37	61.6
Tree felled for processing, sawn or dressed timber	649	2,459.2	16	76.4
Ferrous and non-ferrous metal	3,458	10,949.6	70	194.6
Bag, bale, bundle, containing goods or materials	439	2,062.6	102	555.6
Crate, box, case, carton, drum, tin, bin	1,714	6,421.2	522	2,268.2
Protruding stake, nail, wire, splinter, wiretie, bale, strap etc	215	360.2	20	67.0
Water, beverage, steam	157	264.0	79	125.6
Fragment n.e.c.	246	266.2	4	1.4
Other material, substance or object	1,046	3,995.8	149	367.2
Total	10,267	32,563.0	1,193	4,182.6

No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1982-83 (continued)

Agency of accident	No. 5 - NON-FATAL ACCIDENTS: OCCUPATION GROUP BY TIME LOST				Accidents involving	
	Males	Time Lost Number	Time Lost (weeks)	Females	Time Lost Number	Time Lost (weeks)
WORKING ENVIRONMENT						
Outdoor						
Weather		93	198.2		4	21.8
Traffic and working surfaces		802	3,412.0		96	478.4
Water		43	110.6		7	52.8
Demolition activity n.e.c.		11	80.8		-	-
Tree, branch, other vegetation		251	772.0		22	167.6
Gate, fence and the like		81	350.6		3	13.2
Other		95	482.2		11	48.6
Indoor						
Floor or other working surface		732	3,462.8		492	2,893.6
Step, stairway		351	1,816.8		196	985.4
Floor, wall or ceiling opening		161	872.0		54	267.8
Environment		20	49.4		4	14.0
Other		15	22.0		13	33.6
Underground						
Roof, floor or face of mine or tunnel		100	587.4			
Mine shaft		4	3.4			
Fire		4	36.4			
Water		16	65.2			
Other n.e.c.		203	843.2			
Total		2,982	13,165.0		907	4,985.8
OTHER AGENCY N.E.C.						
Animal						
Live animal		436	2,106.8		55	205.4
Carcass		128	444.0		13	41.8
Bone		40	62.8		5	3.0
Other animal product		148	483.6		33	153.4
Insect or spider		157	97.0		18	32.4
Human						
Morbid condition		14	27.8		3	6.8
Personal condition		129	540.8		31	235.6
Human body		486	1,923.0		335	1,409.0
Other agency n.e.c.						
Other agency n.e.c.		889	3,854.6		478	2,358.6
Total		2,427	9540.4		971	4,446.0
GRAND TOTAL		26,929	96,314.0		4,448	19,407.2

No. 6 - NON-FATAL ACCIDENTS: AGE GROUP AND TYPE OF ACCIDENT, 1982-83

Age group	Type of accident								Exposure to or contact with harmful substance or radiation	Other	Total
	Fall of a person	Falling object or substance	Stepping on, striking against, struck by an object	Caught in or between objects	Over exertion or physical stress	Exposure to or contact with extreme temperature	Exposure to or contact with				
OTHER INDUSTRIAL product materials											
Under 15											
15 - 19	639	448	{ 3	3	{ 1,053	151	234	160	{ 11		
20 - 24	918	504	1,671	336	1,498	134	237	271	5,776		
25 - 29	736	464	1,862	352	1,320	101	183	213	4,607		
30 - 34	675	372	1,309	281	1,091	77	138	176	3,804		
35 - 39	641	247	1,067	208	1,052	58	81	131	3,176		
40 - 44	508	201	823	143	916	39	75	115	2,622		
45 - 49	479	145	644	124	763	37	53	78	2,160		
50 - 54	423	119	489	116	591	27	44	89	1,835		
55 - 59	361	88	446	96	525	16	37	61	1,493		
60 - 64	138	{ 125	331	74	188	{ 9	13	28	570		
65 and over	14	{ 13	37	131	7	{ 13	3	3	44		
Age not stated	104	71	168				33	27	584		
Total	5,636	2,702	8,951	1,803	9,135	662	1,128	1,352	31,369		

No. 7 - NON-FATAL ACCIDENTS: OCCUPATION GROUP BY TYPE OF ACCIDENT, 1982-83

Occupation group	Type of accident								Exposure to or contact	Other	Total
	Fall of person	Falling object	Stepping on, striking against, struck by an object	Caught in or between objects	Over exertion stress	Exposure phys-ical contact	Exposure extreme temperature	Exposure with sub-stance			
Number of accidents											
Professional, technical and related	280	34	236	35	536	22	29	92	1,264		
Administrative, executive and managerial	151	49	119	24	228	8	11	42	632		
Clerical	202	24	98	32	194	4	10	52	616		
Sales	227	95	232	28	360	20	12	50	1,024		
Farmers, fishermen and related	306	114	595	89	442	23	44	103	1,716		
Miners, quarrymen and related	343	163	502	173	379	12	47	73	1,692		
Transport and communication	554	182	465	121	708	16	33	178	2,257		
Tradesmen, production-process and labourers n.e.c.											
Textile, clothing and leather	14	10	54	13	49	{ } 184	411	194	6,013		
Fitters, mechanics, boilermakers etc	671	710	1,981	331	1,391						
Electricians and related	154	75	250	55	253	17	32	69	905		
Metal and electrical process	168	165	395	100	338	16	87	54	1,323		
Carpenters, woodworkers etc	175	156	422	92	289	7	16	28	1,185		
Painters and decorators	66	23	95	15	85	{ } 7	38	11	335		
Bricklayers, construction etc	159	101	235	28	229						
Printers and related	9	7	25	23	39	18	30	6	115		
Food and drink	120	40	690	57	313						
Paper, plastic and chemical	43	25	69	28	86	6	10	11	278		
Packers, storemen, freighthandlers	313	167	393	88	641	19	22	44	1,687		
Factory workers, labourers etc	823	467	1,419	385	1,434	108	166	172	4,974		
Service, sport and recreation	853	93	667	84	1,127	164	93	111	3,192		
Other occupations	5	2	9	1	14	-	1	4	36		
Total	5,636	2,702	8,951	1,803	9,135	662	1,128	1,352	31,369		

No. 8 - NON-FATAL ACCIDENTS: NATURE OF INJURY AND AGENCY OF ACCIDENT, 1982-83

Nature of injury	Agency of accident								Average time lost Total (weeks)
	Fall	Chopping	Lifting equipment	Machinery and transport equipment	Other means of	Working environment	Other	Agency not identified	
Number of accidents									
Fracture	221	337	427	604	349	124	11	2,073	7.7
Dislocation	9	20	29	53	31	12	11	165	10.3
Sprains and strains	681	1,302	2,240	5,009	1,966	1,493	718	13,409	4.6
Concussion and other intercranial injury	9	32	37	54	36	24	2	194	4.3
Internal injury of chest, abdomen, pelvis	15	25	53	154	8	26	8	289	7.6
Open wound	736	292	2,004	1,601	303	228	18	5,182	2.3
Superficial injury	319	90	751	1,704	203	283	28	3,378	1.1
Contusion with intact skin surface and crushing injuries n.e.c.	373	725	1,019	1,415	905	279	26	4,742	2.8
Burns	64	23	684	720	53	23	1	1,567	1.6
Poisoning	-	-		126	-	33	3		1.6
Effects of weather exposure and related conditions	6	5	30	6	26	4	-	77	1.9
Asphyxia									1.7
Effects of electric current									1.3
Multiple injuries									12.4
Other and unspecified injuries	3	42	19	14	9	33	10	130	8.5
No injury involved									1.4
Total	2,436	2,893	7,293	11,460	3,889	2,562	836	31,369	3.7

No. 9 - TOTAL JOURNEY AND RECESS ACCIDENTS: AGE GROUPS BY TYPE OF ACCIDENT, TIME LOST AND COST, 1982-83

Age group	Vehicle	Type of accident		All other	Total	Total time lost time lost per claim (weeks) (days)	Average	Total cost (\$'000)	Average cost per claim (\$)
		Fall, falling object, stepping on, striking against, struck by					Total		
Number of Journey accidents									
Under 20	209	77	11	297	1,264.2	21.3	596	2,006.7	
20 - 24	285	71	20	376	1,865.6	24.8	1,271	3,379.0	
25 - 29	195	37	9	241	1,781.0	37.0	1,172	4,862.9	
30 - 34	125	29	10	164	1,390.8	42.4	1,013	6,178.0	
35 - 39	115	32	11	158	1,336.0	42.3	883	5,586.2	
40 - 44	87	21	8	116	756.2	32.6	474	4,088.3	
45 - 49	77	24	5	106	818.0	38.6	619	5,840.1	
50 - 54	55	23	6	84	746.4	44.4	732	8,714.7	
55 - 59	40	21	6	67	484.4	36.1	966	14,419.7	
60 - 64	20			30	227.2	37.9	169	5,641.5	
65 and over	4		2	8	184.8	115.5	92	11,560.6	
Age not stated	16			20	119.2	29.8	84	4,195.5	
Total	1,228	351	88	1,667	10,973.8	32.9	8,072	4,842.0	
Number of Recess accidents									
Under 20	5	15	2	22	119.0	27.0	40	1,829.4	
20 - 24	3	5	4	12	147.6	61.5	105	8,750.0	
25 - 29	3	4	-	7	23.8	17.0	15	2,170.3	
30 - 34	-	2	6	8	24.6	15.4	11	1,434.6	
35 - 39	-	5	4	9	62.4	34.7	104	11,610.2	
40 - 44		8		11	76.0	34.5	36	3,235.5	
45 - 49			3	4	24.6	30.8	13	3,163.5	
50 - 54	4		6	3	2.6	4.3	1	385.7	
55 - 59				3	50.4	84.0	15	5,125.0	
60 - 64	-	3	-	3	11.2	18.7	3	1,130.3	
65 and over	-	-	-	-	-	-	-	-	
Age not stated	-	1	1	2	2.6	6.5	2	992.0	
Total	15	49	20	84	544.8	32.4	347	4,125.7	

331.823

ANS

